



Massachusetts  
Department  
of  
ENVIRONMENTAL  
PROTECTION

# Reduce, Reuse, Recycle!

Ms. Morgan Harriman

Massachusetts Department of Environmental Protection (MassDEP)

Courtyard Marriott

Marlborough, Ma

June 9, 2009

# Commonwealth of Massachusetts

Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

### Bureau of Waste Prevention (air, climate, recycling & waste)

#### Bureau of Resource Protection (wetlands & water)

#### Bureau of Waste Site Cleanup

#### Compliance & Enforcement



# Solid Waste Master Plan



- ❖ Focus waste reduction efforts on **target materials** paper, organics and specific business sectors.
- ❖ Build partnerships with product manufacturers, retailers, trade associations and cities and towns.

# Solid Waste Master Plan



## ❖ Commercial Waste Reduction Initiatives

1. Build Processing and Hauling Infrastructure while Working with Targeted Sectors that Generate the Most Waste.
  - Supermarkets
  - **Hotels**
  - Hospitals
  - College & University
2. Waste Ban Enforcement

# WASTE BANS

## Items Prohibited from Disposal:



- Leaves and Yard Waste
- Lead acid batteries
- White goods (Refrigerators, Air Conditioners)
- Tires
- CRT's (T.V. & Computer Monitors)
- Construction & Demolition Debris
- Mercury-Containing Devices (fluorescent bulbs)
- **Recyclable Paper & Cardboard**
- **Glass, Metal, and Plastic Containers**

# Purpose of the Waste Bans

- ❖ Conserve capacity at existing disposal facilities
- ❖ Provide recycling markets with large volumes of material on a consistent basis
- ❖ Recycling prevents unnecessary disposal of usable raw materials
- ❖ Saves energy
- ❖ Reduces air and water pollution

# Waste Bans

WASTE BANS: restrictions on the disposal, transfer for disposal, and **contracting** for disposal of certain hazardous and **recyclable items** at solid waste facilities in Massachusetts

Waste Control Regulations

[310 CMR 19.017](#)



# Enforcement Actions

- ❖ MassDEP cited numerous companies and organizations for illegal cardboard disposal
  - Home Depot, American Red Cross, Westfield State College, Ethan Allen, Friendly Fruit etc.
- ❖ The violators are required to draw up a plan to stop the disposal of banned materials.



# Waste-Producing Operations

## (Waste Audit)

### ❖ Types of Operations

- Type of Wastes Generated
- Amount (estimate)
- Current Waste Reduction Activities

### ❖ Operations

- Kitchen (food prep waste, end scraps, glass, plastic, metal)
- Banquets (plate scrapings)
- Restrooms (paper towels)
- Guest Rooms (single use packaging)

# Things to Consider

## ❖ Service Providers

- Recycling Hauler
- Food Waste Hauler
- Special Item Collection (mattresses, furniture, televisions)

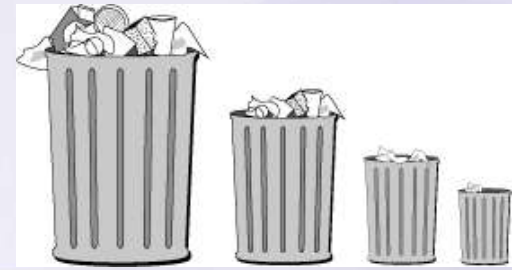
## ❖ Containers & Placement

- Food Waste/Composting
- Recycling

## ❖ Education

- Employee Communications (bi-lingual)
- Container Signs
- Guest Literature & Promotions

# Waste Reduction



## ❖ Guest Rooms

- Recycling (Single Stream)
- Dispensers for Shampoo, soap & lotion
- Optional newspaper (opt-out at check-in)
- **Furniture donation/reuse**

## ❖ Banquets/Kitchen

- Bulk condiments
- Commercial coffee maker (no single serve)
- Water Coolers (no water bottles)
- Reusable dish ware (cups, plates, cutlery)

## ❖ Facilities Dept.

- Bulk cleaners with automatic dispensers
- Reusable shipping containers/pallets
- Eliminate paper towels and use hand dryers
- Implement preventative maintenance programs

# Cardboard & Paper

- ❖ If it rips, recycle it!





# Help Expand the Bottle Bill!



# Food Waste



# WASTE BANS

## Items Prohibited from Disposal:



- Leaves and Yard Waste
- Lead acid batteries
- White goods (Refrigerators, Air Conditioners)
- Tires
- CRT's (T.V. & Computer Monitors)
- Construction & Demolition Debris
- Mercury-Containing Devices (fluorescent bulbs)
- Recyclable Paper & Cardboard
- Glass, Metal, and Plastic Containers
- **Food Waste from Commercial Generators (proposed)**



*Massachusetts*



*Waste Wise  
Program*



# What is WasteWise?

- ❖ An EPA funded partnership program launched in 1994
- ❖ WasteWise helps organizations eliminate costly waste, benefiting their bottom line and the environment
- ❖ WasteWise is **FREE** and **VOLUNTARY**
- ❖ WasteWise is flexible



# Free Technical Assistance!

## ❖ WasteWise Helpline and Technical Assistance Team



## ❖ Individualized Climate Profiles



## ❖ Publications



# Awards Program



# Massachusetts WasteWise

- ❖ Annual Workshops
- ❖ Technical Assistance
- ❖ E-mail Bulletin
- ❖ Awards & Recognition
- ❖ Customized Logo





## Annual Forums

Conduct two half-day workshops per year (FREE)  
(June & November)

Topics

Sponsor Location

Paper Recycling	Raytheon
Green Building & Reuse	Genzyme
Pollution Prevention	Consigli
Climate Change	Worcester State
Reporting & Recognition	Dunkin' Brands
Food Waste Composting	Westin Copley
Energy	CB Richard Ellis



# Technical Assistance!



## WasteWise Application for Waste Reduction Technical Assistance Pilot

MassDEP has funds available to assist **WasteWise members** in developing waste reduction programs, including recycling of paper and cardboard, composting of food waste and assistance in evaluating and developing contracts for solid waste services. MassDEP will evaluate each application on a rolling basis and make awards based on specific needs and annual appropriation. Projects that have the potential to be replicated will be favored. Project funding does not include capital costs such as equipment or containers. To apply, please *complete and sign* the following form and send to the contact listed in the box on the left. Please use a separate sheet of paper, if necessary. Projects will need to be implemented by June 30, 2009.

For more information on the Massachusetts WasteWise Program visit [www.mass.gov/dep/recycle/reduce/wastewise.htm](http://www.mass.gov/dep/recycle/reduce/wastewise.htm). All questions can be directed to Morgan Harriman at MassDEP at 617-654-6580 or [morgan.harriman@state.ma.us](mailto:morgan.harriman@state.ma.us)

### Three Easy Steps to Apply:

1. Read and complete the application form.
2. **Application Process:**  
Fax, e-mail or send the application form to the contact below. MassDEP will need the signed original. Send application to:  
  
Morgan Harriman  
MassDEP  
One Winter Street  
Boston, MA 02108  
Phone: 617-654-6580  
Fax: 617-292-5778  
[morgan.harriman@state.ma.us](mailto:morgan.harriman@state.ma.us)
3. MassDEP will contact you regarding the status of your application.

### 1. Contact Information:

- a. Name of Company:
- b. In order to apply for technical assistance, your organization must be a member of WasteWise and needs to have a contact that is responsible for administering a recycling/waste management program. Please list your contact below:

Name:

Title:

Address:

Phone:

E-Mail:

2. **Request for Technical Assistance:** In the following table, please list the type of assistance you are requesting (see explanation of a – d below). Each applicant may list more than one type of technical assistance requested. Please note that a condition of receiving technical assistance is to submit a summary of findings at the conclusion of the project (e.g., facility locations, program benefits, and consolidated tonnage information) to MassDEP in order to quantify progress. This information may be used in a case study. Projects need to be implemented by June 30, 2009.

### Types of Assistance:

- a. **Waste Audit:** This includes a series of site visits and telephone conversations with the appropriate contact to determine:
  - The type and amount of waste your business generates
  - Where, how and why waste is generated
  - How discarded materials are collected and disposed
  - Your annual collection and disposal expenditures
  - Which wastes can be reduced, recycled or composted

A report identifying these findings will be developed as well as a set of recommendations for reducing waste through process changes, recycling, composting and/or opportunities for purchasing alternatives.

- b. **Contracting Assistance:** This includes assisting in the development of a performance based contract for solid waste services to increase waste reduction and recycling through value-added services, such as improved reporting, dedicated customer service, revenue sharing and analysis. For an example of an

## Types of Assistance:

1. Waste Audit
2. Contracting Assistance
3. Green Purchasing Assessment

# Containers



Lexan Tub  
Seaport



# Got Space?







03/25/2008





# Employee Training



# Massachusetts Members

- ❖ Currently 149 members in Massachusetts (over 2500 nationally)

Boston Green Tourism (Endorser)

Kimpton Hotels

Hotel Marlow

Onyx Hotel

Nine Zero

Mass Convention Center Authority

Omni Parker House

Springhill Suites by Marriott

The Colonnade Hotel

The Seaport Hotel

Westin Copley Place



# Massachusetts Award Winners



- ❖ 2004: Consigli Construction
- ❖ 2004: Big Y Foods, Hannaford Bros., Roche Bros., Shaw's,  
The Stop & Shop Supermarket Company  
Whole Foods Market
- ❖ 2005: Lemuel Shattuck Hospital, Raytheon Co
- ❖ 2006: **Massachusetts Convention Center Authority**
- ❖ 2007: Staples, Inc., & Whole Foods Market
- ❖ 2008: Millipore Corporation, **The Seaport Hotel**
- ❖ 2009: TBD

# Why Join?



# What Can WasteWise Do For My Organization?

## ❖ Identify Cost Savings

- Avoided disposal costs
- Recycling revenue
- Contracting assistance

## ❖ Environmental Benefits

- Waste reduction benefits
- Climate benefits
- Comply with Mass. Waste Ban Regulations

## ❖ Recognition



# Get Started

- ❖ Year 1
  - **Register as a Partner!**
- ❖ Implement activities over a 3-year period
- ❖ Report progress annually to EPA





# Resources

## **WasteWise Web site**

<http://www.mass.gov/dep/recycle/reduce/wastewise.htm>

## **MassDEP**

[www.mass.gov/dep/recycle](http://www.mass.gov/dep/recycle)

## **WasteWise Helpline**

(800) EPA-WISE (372-9473)

## **Morgan Harriman, MassDEP**

**617-654-6580**

**[morgan.harriman@state.ma.us](mailto:morgan.harriman@state.ma.us)**